

Title (en)  
MESH BODY

Title (de)  
NETZKÖRPER

Title (fr)  
CORPS DE MAILLAGE

Publication  
**EP 2762310 A1 20140806 (EN)**

Application  
**EP 12838738 A 20120626**

Priority  
• JP 2011221990 A 20111006  
• JP 2012066274 W 20120626

Abstract (en)  
A mesh body made of polyethylene terephthalate (PET) having good orientation and having relatively high heat resistance is provided. Each of a split web 1 (longitudinal web) and a slit web 6 (lateral web) has a three-layer structure including a layer (main layer) made of a first thermoplastic resin and bonding layers made of a second thermoplastic resin provided on the respective surfaces of the main layer. The second thermoplastic resin has a heat-sealing property at a temperature lower than a melting point of the first thermoplastic resin. A nonwoven fabric 8 is formed by laminating crosswise a longitudinal web and a lateral web via their bonding layers so that orientation axes of the webs cross perpendicularly to each other. The first thermoplastic resin is PET. The second thermoplastic resin is an amorphous PET copolymer. Before laminating crosswise the webs, their surfaces (bonding layers) are applied with a corona treatment.

IPC 8 full level  
**B32B 7/03** (2019.01); **B32B 27/08** (2006.01); **B32B 27/36** (2006.01); **D03D 15/00** (2006.01); **D04H 3/007** (2012.01); **D04H 3/045** (2012.01); **D04H 13/02** (2006.01); **D06M 17/04** (2006.01)

CPC (source: EP US)  
**B32B 3/266** (2013.01 - EP US); **B32B 5/028** (2013.01 - EP US); **B32B 5/12** (2013.01 - EP US); **B32B 5/22** (2013.01 - EP US); **B32B 5/26** (2013.01 - EP US); **B32B 7/03** (2018.12 - EP US); **B32B 27/08** (2013.01 - EP US); **B32B 27/36** (2013.01 - EP US); **D03D 9/00** (2013.01 - EP US); **D03D 15/283** (2021.01 - EP US); **D03D 15/46** (2021.01 - EP US); **D03D 15/587** (2021.01 - EP US); **D04H 3/007** (2013.01 - EP US); **D04H 3/045** (2013.01 - EP US); **D04H 13/02** (2013.01 - EP US); **D06M 10/025** (2013.01 - EP US); **D06M 17/04** (2013.01 - EP US); **B32B 2250/20** (2013.01 - EP US); **B32B 2250/244** (2013.01 - EP US); **B32B 2262/0276** (2013.01 - EP US); **B32B 2307/306** (2013.01 - EP US); **B32B 2307/31** (2013.01 - EP US); **B32B 2307/516** (2013.01 - EP US); **B32B 2307/54** (2013.01 - EP US); **B32B 2307/702** (2013.01 - EP US); **B32B 2605/08** (2013.01 - EP US); **D10B 2331/04** (2013.01 - EP US); **D10B 2401/041** (2013.01 - EP US); **Y10T 442/107** (2015.04 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2762310 A1 20140806**; **EP 2762310 A4 20150624**; CN 103857525 A 20140611; CN 103857525 B 20160824; EA 201490742 A1 20140730; IL 231940 A0 20140831; JP 2013082084 A 20130509; JP 5946622 B2 20160706; MX 2014004106 A 20140521; US 2015004860 A1 20150101; WO 2013051312 A1 20130411

DOCDB simple family (application)  
**EP 12838738 A 20120626**; CN 201280049306 A 20120626; EA 201490742 A 20120626; IL 23194014 A 20140403; JP 2011221990 A 20111006; JP 2012066274 W 20120626; MX 2014004106 A 20120626; US 201214349858 A 20120626